

PRACTICAL : 4

Task 1: Research & Summarize

1. What is SORA?

Sora is a video generation model developed by OpenAI that creates realistic, high-quality videos from simple text prompts. It can generate scenes up to a minute long with consistent motion, objects, and environments. Sora uses a transformer-based architecture similar to GPT and is trained on video data to understand both spatial and temporal dynamics. It's designed for creatives, educators, and developers to quickly visualize ideas or tell stories through AI-generated video.

2. Comparison with DALL·E or alternatives like Pika Labs or RunwayML

Sora vs. DALL·E:

Both are developed by OpenAI, but DALL·E generates images, while Sora generates videos. DALL·E excels in creative static visuals from text prompts, whereas Sora adds a temporal dimension, creating dynamic scenes with motion and continuity.

Sora vs. Pika Labs:

Pika Labs focuses on stylized video generation, often producing animations or fantasy-style clips. Sora, in contrast, aims for realism, producing more cinematic, photorealistic videos with accurate physics and coherent motion.

Sora vs. RunwayML:

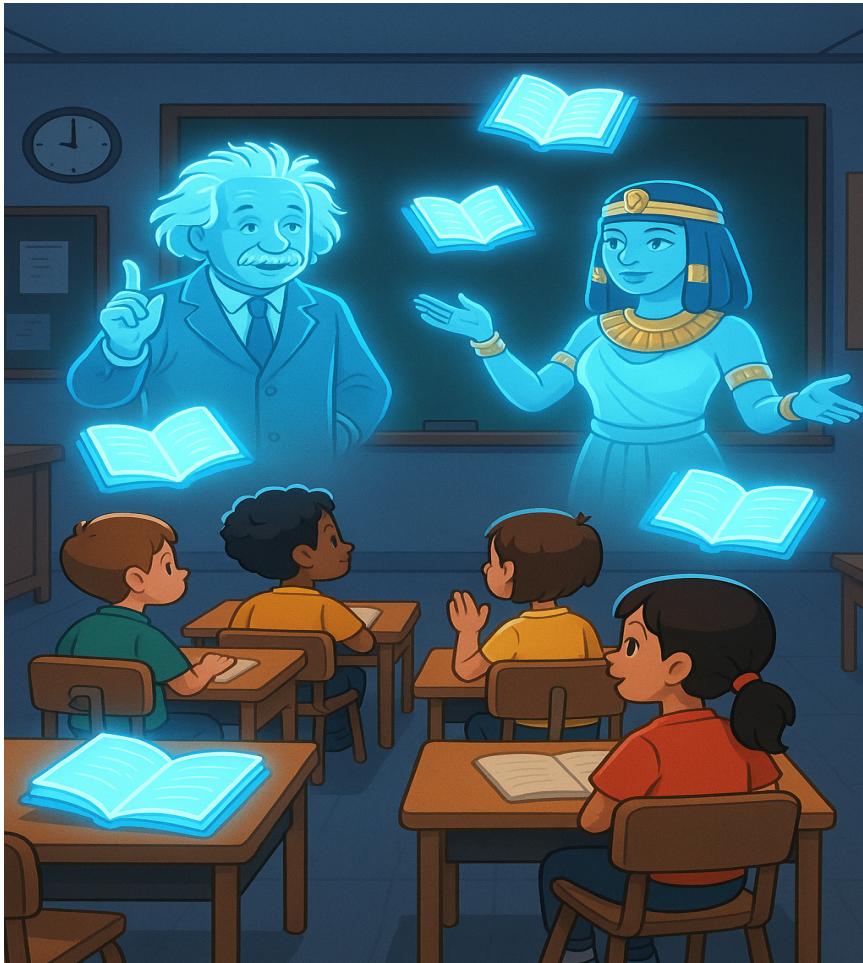
RunwayML offers a wide range of AI video tools like text-to-video, video editing, and motion tracking. While versatile, its output may be less realistic than Sora's. Sora stands out for generating longer, more coherent scenes from scratch with a higher level of visual fidelity.

3. Ethical considerations in video generation

Ethical considerations in video generation are significant and multifaceted. One major concern is misinformation and deepfakes. As models like Sora become capable of generating photorealistic content, the potential for malicious use—such as fabricating political events or impersonating individuals—grows. There's also a risk of copyright infringement if training data includes proprietary or unlicensed media. Consent and representation pose further challenges, especially if videos include likenesses of real people or culturally sensitive imagery.

Task 2: Prompt Engineering Practice

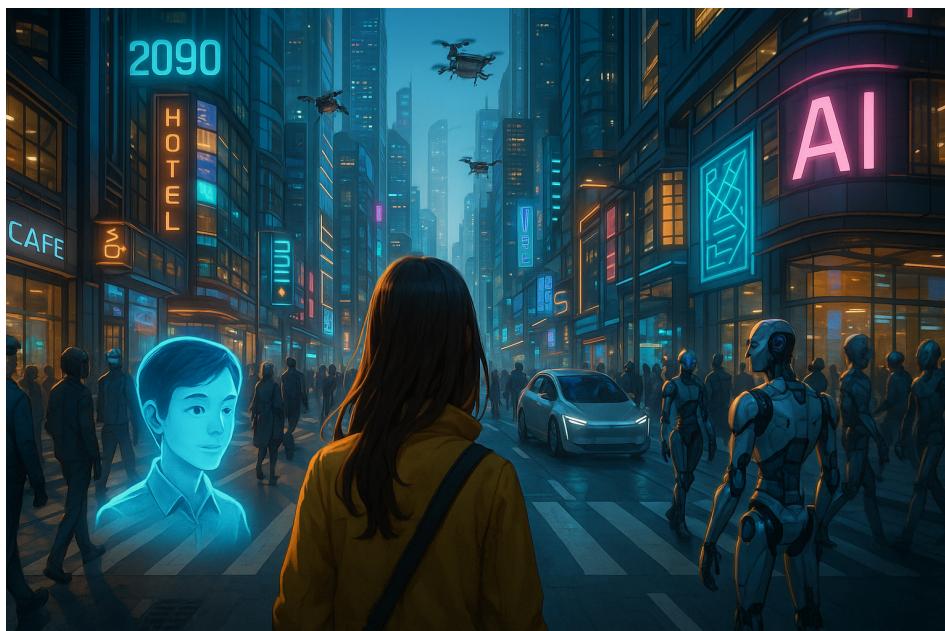
Prompt 1: An animated classroom where historical figures like Einstein and Cleopatra appear as holograms teaching students with glowing interactive books floating around."



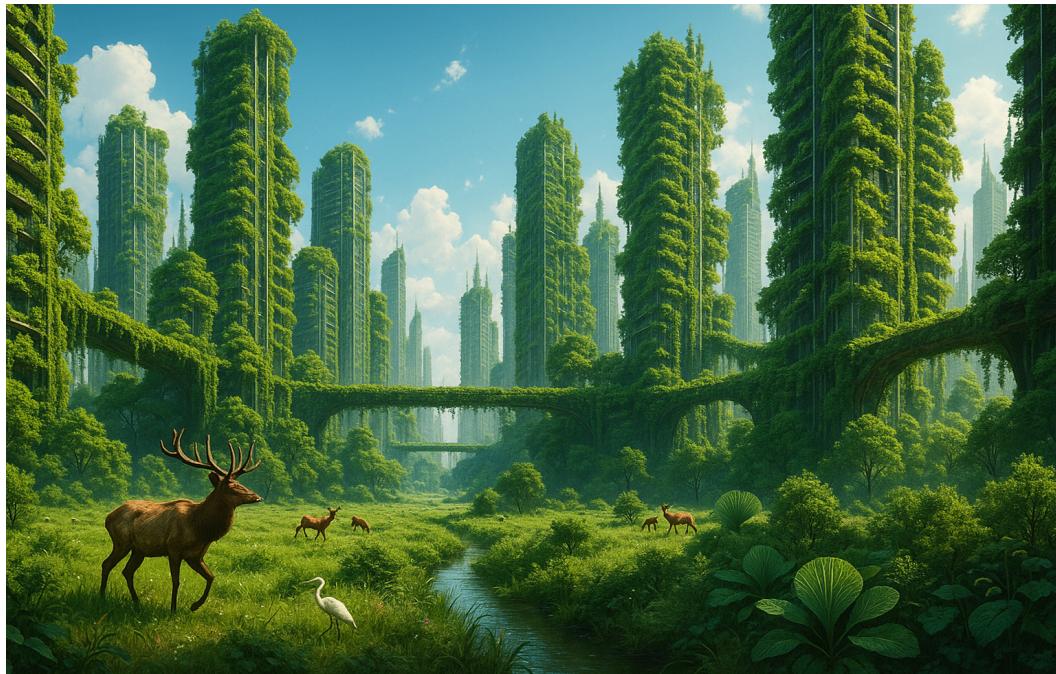
Prompt 2: A vibrant fantasy concert featuring mythical creatures playing futuristic instruments on a floating stage above a sparkling city at night



Prompt 3: Futuristic 2090 city street with humans, robots, drones, and AI assistants; smart buildings and silent autonomous vehicles. Camera follows a young woman with her AI projection.



Prompt 4: Visualize a rewilded megacity where skyscrapers are overgrown with vertical forests, wildlife roams eco-corridors, and bioengineered plants clean the air.



Prompt 5: Contestants plug into a live-streamed dream simulator where their wildest fantasies become immersive challenges—racing dragons, solving ancient mysteries, or surviving in surreal dreamscapes, all for a global audience.



